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1 Cross-talk attack monitoring and localization in all-optical networks

Tao Wu, Arun K. Somani

December 2005 **IEEE/ ACM Transactions on Networking (TON)** , Volume

Publisher: IEEE Press

Full text available: Pdf (432.68 KB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 42, Downloa

The effects of an attack connection can propagate quickly to different pa network. Such attacks affect the normal traffic and can either cause ser denial. Quick detection and localization ...

Keywords: all-optical network, attack, crosstalk, diagnosability of attac

2 Mapping maintenance for data integration systems

Robert McCann, Bedoor AlShebli, Quoc Le, Hoa Nguyen, Long Vu, AnHai Do

August 2005 **VLDB '05:** Proceedings of the 31st international conference or

Publisher: VLDB Endowment

Full text available: Pdf (263.12 KB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 33, Downloa

To answer user queries, a data integration system employs a set of sem schema and the schemas of data sources. In dynamic environments sou invalidate the mappings. Hence, once the system ...

3 Effective change detection using sampling

Junghoo Cho, Alexandros Ntoulas

August 2002 **VLDB '02:** Proceedings of the 28th international conference o

Publisher: VLDB Endowment

Full text available: Pdf (352.77 KB) Additional Information: full citation, abstrac

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For a large-scale data-intensive environment, such as the World-Wide V make local copies of remote data sources. Due to limited network and c often difficult to monitor the sources ...

4 mSWAT: low-cost hardware fault detection and diagnosis for multico

Siva Kumar Sastry Hari, Man-Lap Li, Pradeep Ramachandran, Byn Choi, Sa

December 2009 **Micro-42:** Proceedings of the 42nd Annual IEEE/ACM Inter Microarchitecture

Publisher: ACM Request Permissions

Full text available: Pdf (759.06 KB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 28, Downlo

Continued technology scaling is resulting in systems with billions of dev prone to failures from various sources, resulting in even commodity sys reliability threat. Thus, traditional ...

Keywords: architecture, error detection, fault injection, multicore proc

5 Reducing business surprises through proactive, real-time sensing ar
Mitchell A. Cohen, Jakka Sairamesh, Mao Chen
June 2005 **EESR '05:** Proceedings of the 2005 workshop on End-to-end, applications and services
Publisher: USENIX Association
Full text available: Pdf (450.63 KB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 34, Downloa

OEMs need to transform the way they do business in order to ensure be Crucial failure symptom information is lost between the end consumers Manufacturers have access to this information ...

6 Efficient on-the-fly data race detection in multithreaded C++ program
Eli Pozniansky, Assaf Schuster
June 2003 **PPoPP '03:** Proceedings of the ninth ACM SIGPLAN symposiu programming
Publisher: ACM Request Permissions
Full text available: Pdf (288.53 KB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 132, Downl

Data race detection is highly essential for debugging multithreaded prog Nevertheless, there is no single universal technique capable of handling detection problem is computationally ...

Keywords: concurrency, data race, instrumentation, multithreading, sy

Also published in:
October 2003 **SIGPLAN Notices** Volume 38 Issue 10

7 A light-weight distributed scheme for detecting ip prefix hijacks in rea
Changxi Zheng, Lusheng Ji, Dan Pei, Jia Wang, Paul Francis
August 2007 **SIGCOMM '07:** Proceedings of the 2007 conference on Applic protocols for computer communications
Publisher: ACM Request Permissions
Full text available: Pdf (481.39 KB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 108, Downlo

As more and more Internet IP prefix hijacking incidents are being repor services has become evident. Most of the current hijacking detection ap control plane and detect inconsistencies ...

Keywords: BGP, detection, hijacking, interception, routing

Also published in:
October 2007 **SIGCOMM Computer Communication Review** Volume 37 Issue

8

Probabilistic inference of lossy links using end-to-end data in sensor
Wei Zeng, Bing Wang, Krishna R. Pattipati
December 2007 **CoNEXT '07:** Proceedings of the 2007 ACM CoNEXT confer
Publisher: ACM
Full text available: Pdf (93.80 KB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 23, Downlo

Lossy links used in a sensor network affect network performance, and h [1, 2]. One approach to detect lossy links is that each node monitors th reports them to the sink. This ...

9 Software fault tolerance in real-time embedded systems
E. K. Park
February 1989 **CSC '89:** Proceedings of the 17th conference on ACM Annua
Publisher: ACM Request Permissions
Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downl

Many critical embedded systems which have very high reliability require Considering the significance of their applications, design of highly reliab research area. In the development of reliable ...

10 Developing geosensor network support for Locawe platform: applica communication context
Mika Luimula, Zach Shelby, Jouni Tervonen, Jouni Markkula, Petteri Wecks
July 2009 **ICPS '09:** Proceedings of the 2009 international conference o
Publisher: ACM Request Permissions
Full text available: Pdf (728.74 KB) Additional Information: full citation, abstrac

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Wireless sensor and actuator networks (WSAN) are a combination of em technologies. Existing geospatial standards used in location-aware syste networks, but they present challenges due ...

Keywords: geospatial standards, location-awareness, sensor web, ubic actuator networks

11 Towards environment-to-environment (E2E) multimedia communicat
Vivek K. Singh, Hamed Pirsiavash, Ish Rishabh, Ramesh Jain
October 2008 **SAME '08:** Proceeding of the 1st ACM international workshop experiences
Publisher: ACM Request Permissions
Full text available: Pdf (1.74 MB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 122, Downl

We present an approach to connect multiple remote environments for n objects. Focus of current communication and telepresence systems seve of movement, interaction, peripheral ...

Keywords: e2e, environment-to-environment communication, multime

12 Dynamic proxy tree-based data dissemination schemes for wireless
Wensheng Zhang, Guohong Cao, Tom La Porta
October 2007 **Wireless Networks** , Volume 13 Issue 5

Publisher: Kluwer Academic Publishers
Full text available: Pdf (562.18 KB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 66, Downloa

In wireless sensor networks, efficiently disseminating data from a dynar important for the applications such as mobile target detection and track scheme can be used. However, because ...

Keywords: data dissemination, wireless sensor networks

13 Hardware atomicity for reliable software speculation
Naveen Neelakantam, Ravi Rajwar, Suresh Srinivas, Uma Srinivasan, Craig
June 2007 **ISCA '07:** Proceedings of the 34th annual international sympo
Publisher: ACM
Full text available: Pdf (805.55 KB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 94, Downlo

Speculative compiler optimizations are effective in improving both single power consumption, but their implementation introduces significant com limit their optimization scope, and ...

Keywords: Java, atomicity, checkpoint, isolation, optimization, specula

Also published in:
June 2007 **SIGARCH Computer Architecture News** Volume 35 Issue 2

14 IrisNet: an internet-scale architecture for multimedia sensors
Jason Campbell, Phillip B. Gibbons, Suman Nath, Padmanabhan Pillai, Srini
November 2005 **MULTIMEDIA '05:** Proceedings of the 13th annual ACM in
Publisher: ACM Request Permissions
Full text available: Pdf (1.33 MB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 73, Downlo

Most current sensor network research explores the use of extremely sim motes and focuses on over-coming the resource constraints of these de explores the challenges of multimedia sensors ...

Keywords: multimedia sensors, sensor networks, wide-area sensing in

15 An empirical study of UHF RFID performance
Michael Buettner, David Wetherall
September 2008 **MobiCom '08:** Proceedings of the 14th ACM international networking
Publisher: ACM Request Permissions
Full text available: Pdf (344.89 KB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 316, Downl

This paper examines the performance of EPC Class-1 Generation-2 UHF setting. Specifically, we identify factors that degrade overall performanc physical layer, and we explore the ...

Keywords: RFID, wireless

16 Network stack diagnosis and visualization tool

Krist Wongsuphasawat, Pornpat Artornsombudh, Bao Nguyen, Justin McCa
November 2009 **CHiMiT '09:** Proceedings of the Symposium on Computer H of Information Technology

Publisher: ACM Request Permissions

Full text available: Pdf (1.02 MB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 20, Downlo

End users are often frustrated by unexpected problems while using netv calls to the help desk seeking solutions. However, trying to locate the ca not a simple task. The key to many ...

Keywords: Visty, network stack visualization

17 A content distribution network deployment over WLANs for fire detec

Jaime Lloret, Diana Bri, Miguel Garcia, Pedro V. Mauri
June 2008 **UPGRADE '08:** Proceedings of the third international worksho the development of content networks

Publisher: ACM

Full text available: Pdf (1.61 MB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 58, Downloa

In the recent years, there have been published many works about conte algorithms, but most of them have not got beyond the planning stage, v some simulations. This paper shows a real deployment ...

Keywords: CDN, WLAN, fire detection, rural environment

18 A version-aware tool for design rationale

Supreet Gill, Ethan V. Munson
November 2006 **WebMedia '06:** Proceedings of the 12th Brazilian symposi

Publisher: ACM

Full text available: Pdf (1.08 MB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 34, Downloa

Software Concordance Design Rationale (SCDR) is a tool for recording d reasons that a system's design was chosen. Using the editing, linking, a Concordance system, SCDR allows ...

19 Investigating wired and wireless networks using a java-based progra

Michael J. Jipping, Andrew Kalafut, Nathan Kooistra, Kathleen Ludewig
June 2004 **ITiCSE '04:** Proceedings of the 9th annual SIGCSE conference computer science education

Publisher: ACM Request Permissions

Full text available: Pdf (248.92 KB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 72, Downloa

Teaching students about networking requires laboratory investigation in requires examination of both wired and wireless network data. Most ava too expensive or too cryptic to ...

Keywords: java, network concepts, network sniffer, pedagogy

Also published in:
September 2004 **SIGCSE Bulletin** Volume 36 Issue 3

20 A swarm intelligent multi-path routing for multimedia traffic over mob

Saida Ziane, Abdelhamid Melouk

October 2005 **Q2SWinet '05:** Proceedings of the 1st ACM international wor in wireless and mobile networks

Publisher: ACM Request Permissions

Full text available: Pdf (304.50 KB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 114, Downl

In the last few years, the advance of multimedia applications has promp of routing multimedia data through Manet. This task is rather difficult du mobile ad hoc networks and their ...

Keywords: adaptive routing, manets, multimedia traffic, quality of serv intelligence

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